

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-073209

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(43)Date of publication of application : 15.03.1994

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(51)Int.Cl.

C08J 7/02

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(21)Application number : 03-268691

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(22)Date of filing : 20.09.1991

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(30)Priority

Priority number : 90 586620

Priority date : 21.09.1990

Priority country : US

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(54) POLYIMIDE FILM WITH METAL SALT COATING RESULTING IN IMPROVED ADHESION

(57)Abstract:

PURPOSE: To provide a polyimide film with an improved surface adhesion to metal foils by coating a polyimide base film with an organic solvent solution containing a specific metal salt, and making the film have a specific adhesion force.

CONSTITUTION: This polyimide film is obtained by coating the polyimide base film with the organic solvent solution containing 0.1-10 wt.% of a metal salt selected from the group consisting of Sn, Cu, Zn, Fe, Co, Mn and Pd. The polyimide film has at least 8 pli of the surface adhesion according to the IPC process 2.4.9. reversion C on the one-side or two-side of the film. As used polyimide base film, the derivatives of 4,4'-diaminodiphenylether and pyromellitic dianhydride are preferable. Co-polyimides derived from either of above diamine and acid dianhydride also may be used.

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## LEGAL STATUS

[Date of request for examination]

09.09.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

3264504

[Date of registration]

28.12.2001

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]